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INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/GB 03/04498

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A47C20/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47C A61G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 579 550 A (BATHRICK LEELAND M ET AL) 3 December 1996 (1996-12-03) abstract; figures column 4, line 12 -column 4, line 48 ---	1-13
X	US 2001/000828 A1 (HENSLEY DAVID W) 10 May 2001 (2001-05-10) abstract; figures column 2, paragraph 26 -column 2, paragraph 28 column 2, paragraph 31 -column 2, paragraph 34 ---	1, 4, 5, 7-13
A	US 4 589 151 A (BEHRENS ROBERT S) 20 May 1986 (1986-05-20) abstract; figure 1 --- -/--	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

16 January 2004

Date of mailing of the international search report

23/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 4 751 755 A (MCNAB III FREDERICK G ET AL) 21 June 1988 (1988-06-21) abstract; figures 1-5 -----</p>	1-13

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5579550	A	03-12-1996	NONE	
US 2001000828	A1	10-05-2001	US 6209157 B1 US 6006379 A AT 225623 T AU 8672998 A BR 9811117 A DE 69808642 D1 DE 69808642 T2 EP 1001695 A2 JP 2001511380 T WO 9905941 A2 US 6393641 B1	03-04-2001 28-12-1999 15-10-2002 22-02-1999 18-07-2000 14-11-2002 10-07-2003 24-05-2000 14-08-2001 11-02-1999 28-05-2002
US 4589151	A	20-05-1986	NONE	
US 4751755	A	21-06-1988	US 4667354 A	26-05-1987